

HIP - _____114_____

**PERMITS,
RENEWALS, &
MODS**



New Mexico Energy, Minerals and Natural Resources Department

Bill Richardson
Governor

Joanna Prukop
Cabinet Secretary

Mark Fesmire
Division Director
Oil Conservation Division



October 9, 2009

Mr. Richard Duarte
El Paso Natural Gas Company
8725 Alameda Park Drive NE
Albuquerque,, New Mexico 87120

**Re: Hydrostatic Test Discharge Permit HIP-114
El Paso Natural Gas Company
Pipeline Number 1202
Location: Sections 27, 33, and 34 of Township 29 North, Range 11 West, and Sections
9, 16, and 21 of Township 28 North, Range 11 West, NMPM
San Juan County, New Mexico**

Dear Mr. Duarte:

The New Mexico Oil Conservation Division (OCD) has received El Paso Natural Gas Company's (EPNG) revised notice of intent, dated September 3, 2009, for authorization to discharge approximately 700,000 gallons of wastewater generated from a hydrostatic test of approximately 6.5 miles of an existing 34-inch natural gas transmission pipeline (EPNG 1202), east and southeast of Bloomfield, New Mexico. The proposed collection locations are at EPNG's Blanco compressor station located in the N/2 of the N/2, Section 14, Township 29 North, Range 11 West for the cleaning solution and at EPNG's Rio Vista compressor station in the SW/4 of the NE/4, Section 27, Township 29 North, Range 11 West for the hydrostatic test wastewater. The discharge areas are on the EPNG pipeline easement in Sections 27, 33, and 34 of Township 29 North, Range 11 West, and Sections 9, 16, and 21 of Township 28 North, Range 11 West, in San Juan County, New Mexico.

Based on the information provided in the request, the hydrostatic test water discharge is hereby approved with the following understandings and conditions:

1. EPNG will be testing approximately 6.5 miles of an existing 34-inch natural gas transmission pipeline (EPNG 1202), east and southeast of Bloomfield, New Mexico.
2. Source of the hydrostatic test water will be obtained from City of Bloomfield.
3. Hydrostatic test water generated from the test will be temporarily stored in 40 21,000-gallon temporary frac-tanks at EPNG's Rio Vista compressor station in the SW/4 of the NE/4, Section 27, Township 29 North, Range 11 West, NMPM, San Juan County, New Mexico.
4. EPNG shall implement best management practices in order to prevent the release of any hydrostatic test wastewater.
5. EPNG will secure a 40-point composite sample from the temporary frac tanks and immediately analyzes it at a certified laboratory.
6. All analyzes of samples from wastewater generated from the test must not exceed the standards as set forth in Subsections A, B, and C of the 20.6.2.3103 NMAC.



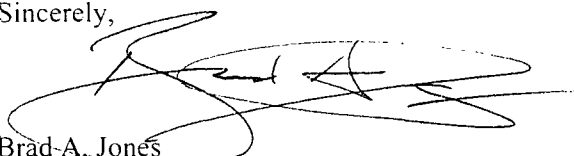
7. Test results will be sent to the OCD for review and subsequent approval or disapproval for the test water to be discharged.
8. If final discharge of the test water is not approved by the OCD, EPNG will transport the hydrostatic test water to an OCD approved facility for disposal or treat the wastewater to OCD's approved specifications for discharge.
9. If final discharge of the wastewater is approved, the discharge shall occur on the easement right-of-way located within Sections 27, 33, and 34 of Township 29 North, Range 11 West, and Sections 9, 16, and 21 of Township 28 North, Range 11 West, NMPM, San Juan County, New Mexico.
10. If final discharge of the wastewater is approved, no hydrostatic test water generated from the test will be discharged to groundwater.
11. If final discharge of the wastewater is approved, no discharge shall occur:
 - a. where ground water is less than 10 feet below ground surface.
 - b. within 200 feet of a watercourse, lakebed, sinkhole or playa lake;
 - c. within an existing wellhead protection area;
 - d. within, or within 500 feet of a wetland; or
 - e. within 500 feet from the nearest permanent residence, school, hospital, institution or church;
12. EPNG shall remove all hydrostatic test wastewater from the pipeline within approximately 14 calendar days of OCD's approval to discharge.
13. EPNG shall restore any surface area impacted or disturb from the approved activities.
14. EPNG shall ensure that the collection, retention, and transfer does not cause any fresh water supplies to be degraded or to exceed standards as set forth in Subsections A, B, and C of the 20.6.2.3103 NMAC (the New Mexico Water Quality Control Commission Regulations); and
15. EPNG shall report all unauthorized discharges, spills, leaks and releases of hydrostatic test water and conduct corrective action pursuant to WQCC Regulation 20.6.2.1203 NMAC and 19.15.29 NMAC.

It is understood that the hydrostatic test will begin approximately October 9, 2009. This permit will expire in 120 calendar days. This permit may be revoked or suspended for violation of any applicable provisions and/or conditions of the permit.

Please be advised that approval of this request does not relieve EPNG of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve EPNG of its responsibility to comply with any other applicable governmental authority's rules and regulations.

If there are any questions regarding this matter, please do not hesitate to contact me at (505) 476-3487 or brad.a.jones@state.nm.us.

Sincerely,



Brad A. Jones
Environmental Engineer

BAJ/baj

cc: OCD District III Office, Aztec



DOCUMENT TRANSMITTAL FORM

TO: Mr. Brad Jones NM Energy, Minerals, and Natural Resources OCD 1220 St. Francis Drive Santa Fe, NM 87505	RECEIVED SEP 14 2009 Per.....		PAGE	1	OF	1
			TRANSMITTAL DATE: 09/10/09			
	TRANSMITTAL DCN: 83107.3-ALB09TS003					
RETURN RESPONSES/COMMENTS TO: David Janney						
RETURN RESPONSES/COMMENTS BY: September 25, 2009						

PROJECT NO.: 83107	PROJECT NAME: EPNG Bloomfield Hydrostatic
ACTIVITY/DESCRIPTION: NOI	

DOCUMENTS BEING TRANSMITTED				
ITEM	REV.	PAGES	DATE	DESIGNATOR
Submittal of the Second Revised NOI for the Discharge of Hydrostatic Test Water, Pipeline Number 1202, San Juan County, NM	0	43	09/08/09	83107.3-ALB09RP001

INSTRUCTIONS/REMARKS Copy to Mr. Richard Duarte, EPNG RECEIVED SEP 14 2009 Per.....	☐ Mark previous issues "obsolete", "superseded", or "uncontrolled" ☐ Destroy previous affected material ☐ Return old material with this record ☐ New issue (no previous copies received) ☒ Replace with revised/new material ☐ Maintain as controlled copy ☐ Not Applicable
RECEIPT AND READ ACKNOWLEDGEMENT Please Sign and Return To: ADMINISTRATIVE SUPERVISOR 8300 JEFFERSON NE SUITE B ALBUQUERQUE, NM 87113	

CLIENT RECEIPT	PRINT NAME	SIGNATURE	DATE
Complete & Return this page via Fax/Mail/Email			

KLEINFELDER RECEIPT	PRINT NAME	SIGNATURE	DATE
Complete this section upon receipt from client			



DOCUMENT TRANSMITTAL FORM

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Complete this section upon receipt from client			



8300 Jefferson NE, Suite B
Albuquerque, NM
87113

p| 505.344.7373
f| 505.344.1711

kleinfelder.com

September 8, 2009
File No. 83107.3-ALB09RP001

Mr. Brad Jones, Environmental Engineer
New Mexico Energy, Minerals, and Natural Resources Department
Oil Conservation Division
1220 St. Francis Drive
Santa Fe, NM 87505

**Subject: Submittal of the Second Revised Notice of Intent for the Discharge of
Hydrostatic Test Water, Pipeline Number 1202, San Juan County, New
Mexico**

Dear Mr. Jones:

On behalf of the El Paso Natural Gas Company (EPNG) Kleinfelder West, Inc. (Kleinfelder) is pleased to submit this revised Notice of Intent (NOI) to discharge hydrostatic test water. The revisions were made based on comments you provided to Kleinfelder in a telephone conversation with David Janney on September 3, 2009.

EPNG has reconsidered its original plan to discharge the hydrostatic test water on pasture land east of Bloomfield. With this new application, EPNG now intends to discharge the water onto rangeland on the 1202 pipeline easement. EPNG plans to begin testing on October 6, 2009 and be ready to transfer the test water into temporary storage tanks the week of October 12. EPNG plans to begin discharging the water the week of October 19, following NMOCD approval.

Kleinfelder has included the required information for the NOI as stated in the "Guidelines for Hydrostatic Test Dewatering." Attached to this NOI are the following:

- Background Information;
- Hydrostatic Test Water Discharge Plan;
- Figure 1, EPNG 1202 Pipeline Undergoing Hydrostatic Test;
- Figure 2, EPNG 1202 Pipeline Easement Discharge Areas;
- Figure 3, Temporary Frac-Tank Staging Locations;
- Appendix A, Material Safety Data Sheets for N-Spec 120 Cleaner;
- Appendix B, Certification of Siting Criteria;
- Appendix C, Public Notice text in Spanish and English;
- Appendix D, Copy of Email from the New Mexico Abandoned Mine Lands Program;
- Appendix E, Federal Emergency Management Administration Flood Insurance Rate Maps; and
- Appendix F, Compressor Station and Discharge Easement Landowner Maps.

A check in the amount of \$100.00 to cover the filing fee was sent by EPNG under separate cover (check number 07575360, UPS # 1Z 770 165 13 9696 9290) and was delivered on June 1, 2009.

8300 Jefferson NE, Suite B
Albuquerque, NM
87113

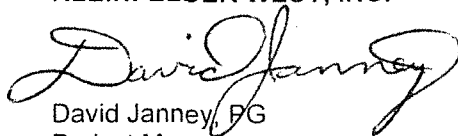
Public notice will be posted in accordance with Subsections A, B, and C of NMAC 20.6.2.3108 at the along the discharge easement (Figure 2), the Blanco Compressor Station, in the Bloomfield, NM Post Office, and published in the Farmington Daily Times newspaper.

p| 505.344.7373
f| 505.344.1711

kleinfelder.com

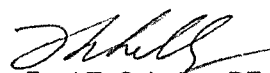
Should you have any questions, please feel free to contact David Janney or Marco Wikstrom (Kleinfelder) at (505) 344-7373, or Richard Duarte (EPNG) at (505) 831-7763.

Respectfully submitted,
KLEINFELDER WEST, INC.



David Janney, PG
Project Manager

Reviewed by:



Fred T. Schelby, PE
Area Manager

Background Information

- The EPNG Pipeline number 1202 is an existing 34-inch (outside diameter) natural gas pipeline that has been in service since 1954.
- This transportation pipeline is part of a network that transports natural gas (sweet and dry) that is suitable for immediate consumer use.
- Based upon recent experience with the New Mexico Oil Conservation Department NMOCD, EPNG understands that the water discharged from cleaning and testing this pipeline system is generally classified as non-exempt RCRA waste and is subject to the Water Quality Control Commission (WQCC) Regulations.

Hydrostatic Test Water Discharge Plan

On behalf of EPNG, Kleinfelder is submitting this hydrostatic test water discharge plan for an Individual Discharge Permit pursuant to Section 1201 of 20.6.2 NMAC, and in accordance with NMOCD "Guidelines for Hydrostatic Test Dewatering," (revised January 11, 2007). The discharge plan includes the following items:

Item a. Name and address of the proposed discharger;

Legally Responsible Party

Sam A. Armenta, Director
El Paso Natural Gas Company
Albuquerque Division
8725 Alameda Park Dr. NE
Albuquerque, NM 87120

Local Representative

Richard Duarte (505) 831-7763
El Paso Natural Gas Company
8725 Alameda Park Dr. NE
Albuquerque, NM 87120

Operator

Physical Address

El Paso Natural Gas Company
San Juan Area Office
#81 County Road 4900
Bloomfield, NM 87413

Mailing Address

El Paso Natural Gas Company
San Juan Area Office
P.O. 127
Bloomfield, NM 87413

Item b. Location of the discharge, including a street address, if available, and sufficient information to locate the facility with respect to surrounding landmarks;

The general location of the portion of the 1202 pipeline to be tested is shown on figure 1. The portion of the number 1202 pipeline easement that will be used as a discharge area is predominately located adjacent to U.S. Highway 550, south of the City of Bloomfield, New Mexico. The 1202 pipeline crosses U.S. Highway 550 in the NE/4 of the SE/4 of Section 33, Township 29N, Range 11W and is shown on Figure 2).

Prior to the hydrostatic test, the pipe will be cleaned in two segments to remove oil residue and other trace contaminants. Each segment will generate discharges (RCRA non-exempt) subject to regulation by the WQCC. There will be two small volumes of water mixed with pipe cleaning liquid (N-Spec 120, see Appendix A for material safety data sheet). The volume of cleaning solution for each segment is estimated to be 500 gallons. The source of water mixed with the pipe cleaning liquid will be utility drinking water from the City of Bloomfield.

The first segment of cleaning solution will be used to clean the 1202 pipeline, mile post (MP) 0 + 0000' to MP 2 + 3,615' and will be stored at EPNG's Blanco Compressor Station (GW-49-0). The second segment of cleaning solution will be used to clean the 1202 pipeline, MP 2 + 3,615' to MP 6 + 2,348' and stored at EPNG's Rio Vista Compressor Station (GW-92-0). After cleaning the pipeline, the cleaning solutions will be moved from the pipeline directly into frac-tanks (stored within secondary containment), then transferred into tank trucks for transportation to a recycling facility.

Temporary frac-tank storage locations for the cleaning fluid will be:

Mile post 0 + 0000' is located at the discharge side of Blanco Compressor Station (south side of the station), County Road 4900, #81, Bloomfield, NM 87413. This is locally known as "gasoline alley" road. Legal description is N/2 of the N/2 Section 14, Township 29 North, Range 11 West in San Juan County, New Mexico. (Latitude 36° 43'44.55" North, Longitude 107° 57' 40.12" West). The temporary storage area is within the compressor station boundary. There will be one 21,000-gallon temporary tank with the water/N-SPEC mixture at this location and the liquid may be stored for up to two weeks. In the event that the analytical or removal transportation is delayed, EPNG will request an additional two weeks of storage time. Every effort will be made to remove the liquid within two weeks. A 21,000-gallon tank is required to contain the high pressure discharge (above 850 pounds per square inch) and high flow rates utilized to drain the 1202 pipeline. The temporary frac-tank storage area at Blanco is shown on Figure 3.

Mile post 2 + 3,615' is located at the suction side of Rio Vista Compressor Station (north side of the station). The turn-off to the station is located ½- mile east of the US 550 and County Road #4990 intersection and approximately ¼-mile south of the Bloomfield refinery. Legal description is SW/4 of the NE/4 Section 27, Township 29 North, Range 11 West in San Juan County, New Mexico. (Latitude 36° 41'50" North, Longitude 107° 58' 35.5" West). This area is within the compressor station boundary. There will be 40 21,000-gallon temporary hydrostatic test water storage tanks at this location and the liquid may be stored for up to two weeks. In the event that the analytical or removal transportation is delayed, EPNG will request an additional two weeks of storage time. Every effort will be made to remove the liquid within two weeks.

The permitted recycling facilities that will be used for the cleaning solutions are:

Mesa Environmental, a Division of Mesa Oil, Inc.
Corporate - 17300 Hwy 72, Arvada, CO 80007
Regional Processing Facility - 20 Lucero Road, Belen, NM 87002

Or,

Thermo Fluids Inc.
Corporate - 8925 E. Pima Center Pkwy, Suite 105, Scottsdale, AZ 85258
Local Office - 9010 Bates Road, SW, Albuquerque, NM 87105

After the pipeline has been cleaned, utility drinking water from the City of Bloomfield will be used to perform hydrostatic testing of the 1202 pipeline between MP 0 and MP 6 + 2,348 (Figure 2). Approximately 700,000 gallons or less of water will be used for the hydrostatic test.

Upon completion of hydrostatic test, EPNG will generate a second discharge (RCRA non exempt) that may be subject to regulation: the hydrostatic test water. The test water will be initially discharged into clean portable frac-tanks (stored within secondary containment) and held at the two locations mentioned above for the cleaning solution (Blanco and Rio Vista compressor stations). Due to an enhanced pipeline cleaning protocol EPNG believes that the hydrostatic test water will meet the WQCC standards for ground water with contaminant concentrations not exceeding levels listed in Subsections A, B, and C of NMAC 20.6.2.3103.

Discharge of the approximately 700,000 gallons or less of hydrostatic test water will be on the 1202 pipeline easement between MP 3 + 0000' and MP 6 + 2,348.' Please see Figure 3 for discharge locations on the 1202 pipeline easement. Legal descriptions of the discharge locations are listed under Item c.

Item c. Legal description of the discharge location;

The width of the easement in the proposed discharge locations is 20 feet. The proposed discharge will occur on the pipeline easement within the following sections in San Juan County, New Mexico:

Section 27, Township 29 North, Range 11 West
Section 33, Township 29 North, Range 11 West
Section 34, Township 29 North, Range 11 West
Section 9, Township 28 North, Range 11 West
Section 16, Township 28 North, Range 11 West
Section 21, Township 28 North, Range 11 West

Introduction and removal of discharge water will occur in the staging areas in the following areas in San Juan County, New Mexico:

N/2 of the N/2, Section 14, Township 29 North, Range 11 West
SW/4 of the NE/4, Section 27, Township 29 North, Range 11 West

(See Figure 2 and 3 for discharge locations and the staging areas.)

Water storage frac-tanks will also be located in these areas.

Item d. Maps (site-specific and regional) indicating the location of the pipelines to be tested and the proposed discharge location;

Figure 1 is a site-specific map showing topography, the pipeline section undergoing test, and the hydrostatic test water and cleaning solution staging areas. Figure 2 is a site-specific map showing the pipeline easement discharge locations. Figures 3 and 4 show the hydrostatic test water storage locations at a larger scale.

Item e. A demonstration of compliance to the following siting criteria or justification for any exceptions:

- i. Within 200 feet of a watercourse, lakebed, sinkhole, or playa lake;***
- ii. Within 1,000 feet of an existing wellhead protection area or 100-year floodplain;***
- iii. Within, or within 500 feet of, a wetland;***
- iv. Within the area overlying a subsurface mine; or***
- v. Within 500 feet from the nearest permanent residence, school, hospital, institution or church.***

According to Mr. Mike McCown, El Paso Natural Gas Cross-Functional Technician, evidence of the above listed features is not present within the required radius limits of the proposed discharge. Mr. McCown performed a discharge site visit to look for the presence of watercourses, lakebeds, sinkholes, playa lakes, wells, wetlands, residences, schools, hospitals, institutions, mines and churches. According to Mr. McCown, these items were not observed within the specified distances listed under Item e. A Certification of Siting Criteria from Mr. McCown is attached in Appendix B.

A search for surrounding water wells was completed to satisfy a portion of this requirement. The New Mexico Water Rights Reporting System (NMWRRS, [iWaters]) database at the New Mexico Office of the State Engineer was used for this search, which was conducted on June 30, 2009. According to the search, no water wells are located within 1,000 feet of the proposed discharge. No discharge will take place within 1,000 feet of a well or well head protection area.

Mr. James R. Smith with the New Mexico Abandoned Mine Lands Program (505-476-3422) was contacted to assess the presence of abandoned subsurface mines in the vicinity of the discharge locations and water storage tank staging areas. According to Mr. Smith, there is no evidence of abandoned subsurface mines in these areas. A copy of an email from Mr. Smith is attached in Appendix D.

Federal Emergency Management Administration (FEMA) flood insurance rate maps were generated from the FEMA website on July 13, 2009 to search for 100-year floodplains in the proposed discharge areas. One 100-year floodplain was identified in Kutz Canyon along the course of the proposed easement discharge (Appendix E and Figures 1, 2, and 3). No discharge will take place on this 100-year floodplain. The San Juan River 100-year floodplain was also identified along the course of the 1202 pipeline undergoing hydrostatic testing, but no discharge is being proposed in the vicinity of the San Juan River. The FEMA flood insurance rate maps are attached under Appendix E, and the 1202 pipeline easement discharge and staging area locations are illustrated on Figures 2, 3, and 4.

No water will be discharged within the radii outlined above (Item e, i. through v.) or within 200 feet of a publicly-maintained roadway (such as U.S. Highway 550).

Non-discharge areas along the course of the pipeline easement will be posted with signs or flagging to alert tank truck drivers as to where they cannot discharge hydrostatic test water.

Item f. A brief description of the activities that produce the discharge;

Pressure testing with water, known as hydrostatic testing, is one of the tools pipeline operators use to verify pipeline integrity. The test involves purging the natural gas from the pipeline, cleaning the pipeline with an aqueous, non-hazardous cleaning fluid, filling the pipeline with

water, then pressurizing the pipeline to a pressure higher than the standard operating pressure for approximately nine hours. The purpose of hydrostatic testing in a pipeline is to determine the extent to which potential defects might threaten the pipeline's ability to sustain maximum allowable operation pressure. If leaks or breaks occur, the pipeline is repaired or the affected areas is replaced and then re-tested. The U.S. Department of Transportation (DOT) requires periodic pressurized tests on all DOT-regulated pipelines and all newly installed pipelines to verify the integrity and safety of pipeline systems. Approximately 700,000 gallons or less of utility water from the City of Bloomfield will be used for the hydrostatic test and pipeline cleaning.

Item g. The method and location for collection and retention of fluids and solids;

The approximately 1,000 gallons of N-Spec 120 cleaning solution used to clean the pipeline will be removed via hoses and/or flexible pipe and routed directly to clean portable frac-tanks placed inside secondary containment at the Blanco compressor stations (Figure 3).

The approximately 700,000 gallons or less of water used for hydrostatic testing of the 1202 pipeline will be removed via hoses and/or flexible pipe using drip pans under the connection points and stored in frac-tanks with secondary containment at the Rio Vista compressor station (Figure 4). Solids are not anticipated to be produced from the hydrostatic testing.

Item h. A brief description of best management practices to be implemented to contain the discharge onsite and to control erosion;

After the NMOCD approves the discharge, EPNG will use tanker trucks, equipped with water separator bars to discharge the water onto EPNG's 1202 pipeline easement (Figure 2). No water will be allowed to run off of the easement or cause erosion. Discharge of the water will be performed within the easement of the 1202 pipeline in selected areas between MP 3 + 0000' and MP 6 + 2,348' (Figure 2). The discharge locations will be well outside of the setback distances described in Item e. and signs or flagging will be placed along the route to alert tank truck drivers as to where they cannot discharge.

Item i. A request for approval of an alternative treatment, use, and/or discharge location (other than the original discharge site), if necessary;

In the event that the hydrostatic test water is found to be unsuitable for land application, it will be treated by filtration through activated charcoal and/or other applicable media until it meets the NMOCD standards outlined in Subsections A, B, and C of NMAC 20.6.2.3103 and then applied to the land surface on the designated discharge area following NMOCD approval.

If filtering is not feasible and no other alternatives are available, the water will be discharged into a NMOCD-permitted Class I injection well that accepts the waste profile.

Item j. A proposed hydrostatic test wastewater sampling plan;

Analytical sampling for the hydrostatic test water will consist of one composite pre-test sample collected from the municipal water stored in the frac-tanks and one 40-point composite pre-discharge sample.

Analytical data from the pre-hydrostatic test water will be used as a baseline to determine if the water is suitable for use. Analytical data from the post-hydrostatic test water will be used to determine if the water is suitable for discharge.

Prior to hydrostatic testing of the 1202 pipeline, the approximately 700,000 gallons or less of water will be transferred from the City of Bloomfield Utilities to frac-tanks located at the Rio Vista

compressor station (see location information under Item c., and Figure 4). A single pre-test composite sample will be collected from these tanks and submitted to an EPA-approved analytical laboratory.

After the hydrostatic testing of the 1202 pipeline, the approximately 700,000 gallons or less of water will be transferred from the pipeline into frac-tanks located at the Rio Vista compressor station (see location information under Item c., and Figure 3). A single pre-discharge 40 point composite sample (one point from each tank) will be collected from these tanks and submitted to an EPA-approved analytical laboratory.

The pre-test and pre-discharge hydrostatic test water samples will be analyzed for the constituents outlined in Subsections A, B, and C of NMAC 20.6.2.3103. Analytical results of the pre-discharge sample will be submitted to the NMOCD with a recommendation for disposal of the hydrostatic test water.

After cleaning the pipeline, the approximately 1,000 gallons of N-Spec 120 cleaning solution will be transferred into frac tanks and a pre-disposal composite sample will be collected and submitted to an EPA-approved analytical laboratory for waste characterization, including analysis for corrosivity, ignitability, reactivity, and toxicity, and/or other characterization as required by Mesa Environmental or Thermo-Fluids (see contact information under Item b.).

Item k. A proposed method of disposal of fluids and solids after test completion, including closure of any pits, in case the water generated from test exceeds the standards as set forth in Subsections A, B, and C of the 20.6.2.3103 NMAC (the New Mexico Water Quality Control Commission Regulations);

All fluids will be containerized, tested, and then discharged or transported for disposal as described under items i. and f. No solid waste is anticipated. In the event that the hydrostatic test water is found to be unsuitable for land application, it will be treated by filtration through activated charcoal and/or other media as appropriate until it meets the NMOCD standards outlined in Subsections A, B, and C of NMAC 20.6.2.3103. If filtering is not feasible and no other alternative is available, following NMOCD approval, the water will be discharged into a NMOCD-permitted Class I injection well that accepts the waste profile. NMOCD approval for discharge will be required with or without filtration or treatment.

Following disposal characterization, the 1,000 gallons of cleaning solution used to clean the 1202 pipeline before hydrostatic testing will be transported off-site via DOT-approved tanker trucks for treatment and disposal by Mesa Environmental or Thermo-Fluids (see contact information under Item b.).

Item l. A brief description of the expected quality and volume of the discharge;

The discharge will be tested in accordance with the guidelines noted in Item j. to assess if the constituent concentrations in the water meet, Subsections A, B, and C of NMAC 20.6.2.3103. Based on historical data collected from previous hydrostatic test events using similar cleaning techniques before introducing the test water, the quality of the discharged water is expected to meet regulatory limits. The approximate volume of the discharge is expected to be 700,000 gallons or less.

Item m. Geological characteristics of the subsurface at the proposed discharge site;

Regional Features

The discharge location is within the north-central part of the San Juan Basin, a large asymmetric structural depression that contains Paleozoic and Mesozoic sediments up to 15,000 feet thick. The area is characterized by bedrock hillsides and mesas and Pleistocene gravel terraces of the San Juan and Animas Rivers.

Site Geology

The discharge areas are located on alluvium or Nacimiento Formation northeast and southwest of Kutz Canyon and southwest of the San Juan River (Figure 2). The alluvium in the discharge areas consists of fine to coarse sands, clays and varying combinations of the two. This alluvium was deposited by both fluvial and eolian action. The soils tend to be weak, compressible and moderately permeable. The thickness of alluvium ranges from less than 3 to more than 75 feet, and drapes the Nacimiento Formation (Stone, et. al., 1983).

Item n. The depth to and total dissolved solids concentration of the ground water most likely to be affected by the discharge;

Regional Hydrogeology

Three ground-water systems are present in the Tertiary and younger sedimentary deposits in this portion of the San Juan Basin.

- Confined aquifers in Tertiary sandstone units.
- Unconfined (water table) aquifers in Tertiary sandstone units near outcrop areas.
- Unconfined (water table) aquifers in the Quaternary alluvium in or near river valleys and tributaries.

Local Groundwater Hydrology. Two groundwater regimes exist near the discharge sites:

1. Unconfined aquifers in the alluvium beneath the discharge areas; and
2. Unconfined sandstone aquifer in the Paleocene Nacimiento Formation below the alluvium (Stone, et. al., 1983).

Groundwater in the vicinity of the discharge may be as shallow as six feet below ground surface in the alluvium or as deep as deep as 235 feet in the Nacimiento Formation (Stone, et. al., 1983).

Total dissolved solids concentration (derived from specific conductance) in the shallowest water affected by the discharge is between 960 and 3,840 milligrams per liter (iWaters, 2009).

Item o. Identification of landowners at and adjacent to the discharge collection/retention site.

Landowners within 1/3-mile of the proposed easement discharge:

Farmington Field Office
Bureau of Land Management
1235 La Plata Highway, Suite A
Farmington, NM 87401

Smith Arnold
1613 Juniper Ln
Bloomfield, NM 87413

Allison Family Trust
610 Meadow St.
Bloomfield, NM 87413

Larsen Kenneth Trust
9835 Cedar St.
Sun city, AZ 85351

Black Saddle Estates
P O Box 325
Bloomfield, NM 87413-0325

Truby Inez Trustee
1575 N Kirby
Bloomfield, NM 874136454

Baird Lavall Trustees
1340 N Kirby
Bloomfield, NM 874136452

Martinez Salomon M ET UX
1200 N Kirby
Bloomfield, NM 874136449

Hunnicut Norma Jean
C/O Martinez Salomon, ET UX
1200 N Kirby
Bloomfield, NM 874136449

Troxell David L.
2008 N Kirby
Bloomfield, NM 87413

Felix Gary Z ET UX
1700 N Kirby
Bloomfield, NM 874136456

Church Bible Baptist
Shepherd Inc.
Box 747
Bloomfield, NM 874130747

Jones Mike R
P O Box 1873
Bloomfield, NM 87413

Val Verde Gas Gathering Co. L.P.
ATTN Property Tax
PO Box 4324
Houston, TX 772104324

Truby Ruby and Rory
2001 1/2 N Kirby
Bloomfield, NM 87413

Truby Robert H JR and Rachel
2001 1/2 N Kirby
Bloomfield, NM 874136467

Goebel George G
P O Box 2326
Bloomfield, NM 874132326
San Juan Refining Company
23733 N Scottsdale Rd.
Scottsdale, AZ 85255

Blueeyes Lydia H and Johnny
1600 Harrison Ln
Bloomfield, NM 87413

Manygoats Harold T
1608 Harrison St
Bloomfield, NM 874135658

Harrison Roger
5561 Alder
Farmington, NM 87401 4843

Harrison Janice
Box 421
Bloomfield, NM 87413

Harrison Henderson
1604 Harrison Ln
Bloomfield, NM 874135658

Harrison Amy Lou
3000 W Radcliff Dr
Englewood, CO 801105336

Harrison Steve T
1077 Lake St
Salt Lake City, UT 84105

Harrison Sandra
304 Willow Street
Bloomfield, NM 87413

F and B LLC
P O Box 189
Bloomfield, NM 87413

King Steven B and Heather L
633 Teton Dr
Farmington, NM 87401

HYP Inc.
7 Rd 2794
Aztec, NM 87410

Reisner Ronald T.
P.O. Box 1413
Bloomfield, NM 87413

Wilcox Charles M.
P.O. Box 1292
Bloomfield, NM 87413

Sategna Remonde
P.O. Box 53
Bloomfield, NM 87413

Simpson Theresa A. Trust
P.O. Box 571
Bloomfield, NM 87413

Dean Alvin Trustees
1524 Largo Ave.
Bloomfield, NM 87413

Ivey Yevette R. Trustee
P.O. Box 2364
Bloomfield, NM 87413

Dean Elaine S. Trustee
2408 E. Blanco
Bloomfield, NM 87413

Scott Leonard
P.O. Box 533
Bloomfield, NM 87413

Spence Herb L. Trustees
P.O. Box 693
Bloomfield, NM 87413

Corine and Dennis Gonzales
1920 S. Bloomfield Blvd.
Bloomfield, NM 87413

Lloyd and Ruby Newton
P.O. Box 1855
Farmington, NM 87499

Mark Brian and Brenda Newton
P.O. Box 575
Bloomfield, NM 87413

Hill Talmadge
P.O. Box 1996
Bloomfield, NM 87413

Mc Nutt Gerald
700 Industrial Plant Road
Bloomfield, NM 87413

Crawford Terry
P.O. Box 1586
Bloomfield, NM 87413

Sharon Stiffler
P.O. Box 2393
Bloomfield, NM 87413

Dugger Ellanora
P.O. Box 704
Bloomfield, NM 87413

Quentin & Diana Kartchner
921 Chaney Lane
Bloomfield, NM 87413

Barela Andrew
P.O. Box 774
Aztec, NM 87410

Jesse Mapes W.
Industrial Lane Drive
Bloomfield, NM 87413

Kirk Perry
P.O. Box 2433
Bloomfield, NM 87413

Candelaria Michelle
2045 N Chestnut
Mesa, AZ 85213

Armenta Marvin R.
1811 Juniper Lane
Bloomfield, NM 87413

Norberto Thomas Lee
P.O. Box 1425
Bloomfield, NM 87413

Harrison Gloria
2908 Los Anayas Road NW
Albuquerque, NM 87104

Baker Eloise
P.O. Box 1703
Bloomfield, NM 87413

Largo Rosie M.
1710 Juniper Lane
Bloomfield, NM 87413

Jim Carl
1700 Juniper Lane
Bloomfield, NM 87413

Smith John
P.O. Box 161
Nageezi, NM 87037

Marrow William
P.O. Box 296
Bloomfield, NM 87413

Frac Tech Services Ltd.
16858 IH 20
Crisco, TX 76137

Navajo Tribe of Indians
P.O. Box 2249
Window Rock, AZ 86515

Thriftway Co
501 Airport Dr. Suite 100
Farmington, NM 87401

Kaime Joe N. Trustees
HCR 80 Box 4
Counselor S, NM 87018

Witt Joseph Bouldin
4600 Davis Ave S
Renton, WA 98053

Donald and Myra Magnum
P.O. Box 1184
Bloomfield, NM 87413

Armenta Henry
P.O. Box 396
Bloomfield, NM 87413

Finney Jerry W.
245 S. Wallace
Las Vegas, NV 89107

Landowners of the collection and retention sites (both will be used for both purposes):

El Paso Natural Gas Company (Blanco compressor station)
2 North Nevada Ave.
Colorado Springs, CO 80903

El Paso Natural Gas Company (Rio Vista compressor station)
2 North Nevada Ave.
Colorado Springs, CO 80903

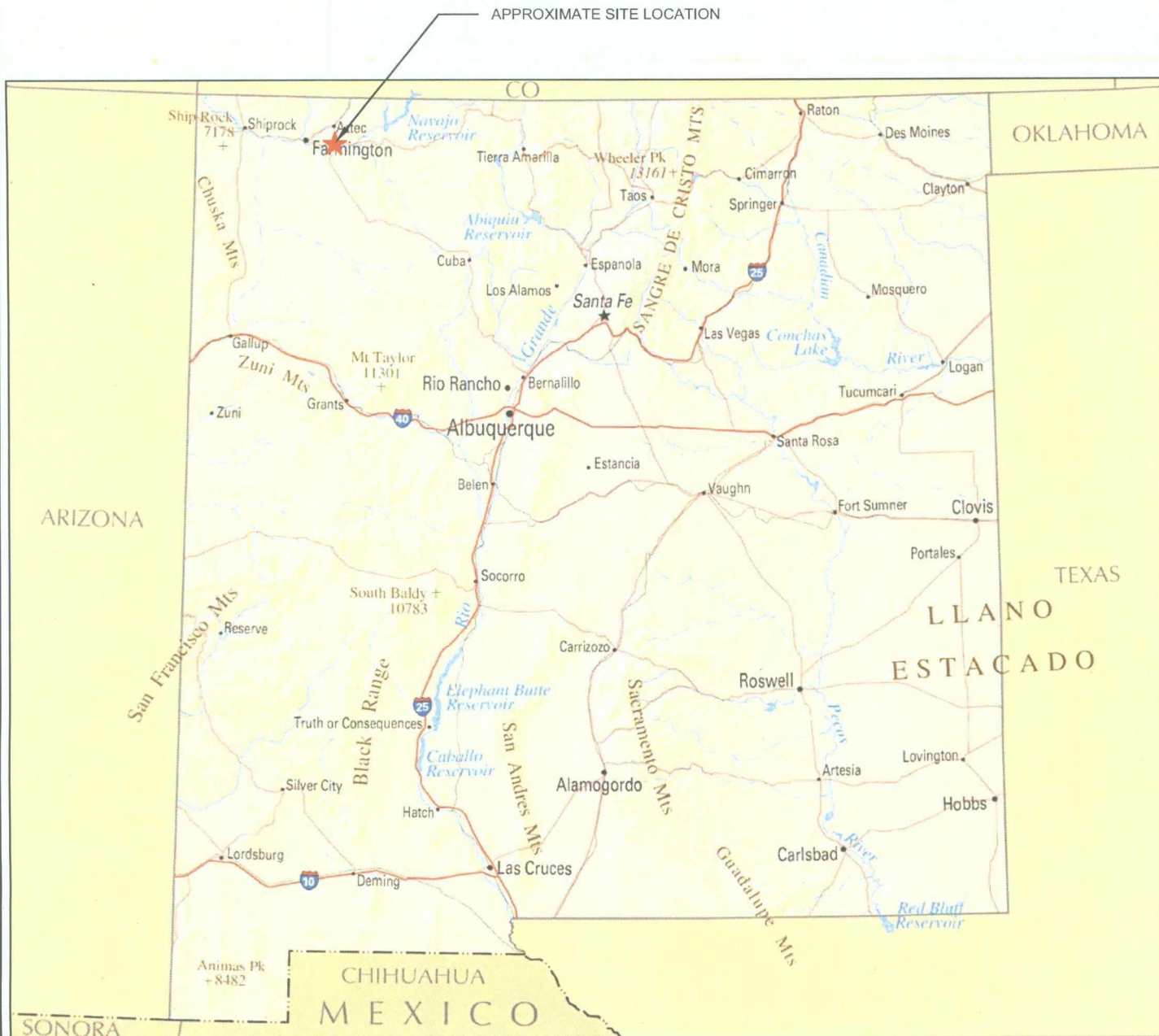
References

Geological, hydrological, hydrogeological, and depth/quality of groundwater information obtained from the EPNG, July 1999, Blanco Discharge permit application.

iWaters Database search, June 2009, New Mexico Office of the State Engineer

Stone, W., Lyford, F., Frenzel, P., Mizell, N., and Padgett, E. 1983, Hydrology and Water Resources of the San Juan Basin, New Mexico, New Mexico Bureau of Mines and Mineral Resources, Hydrologic Report 6.

FIGURES



SOURCE: Base map provided by nationalatlas.gov.

NTS



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PROJECT NO.	83107
DRAWN:	JULY 2009
DRAWN BY:	PD
CHECKED BY:	MW
FILE NAME:	83107_01_0.dwg

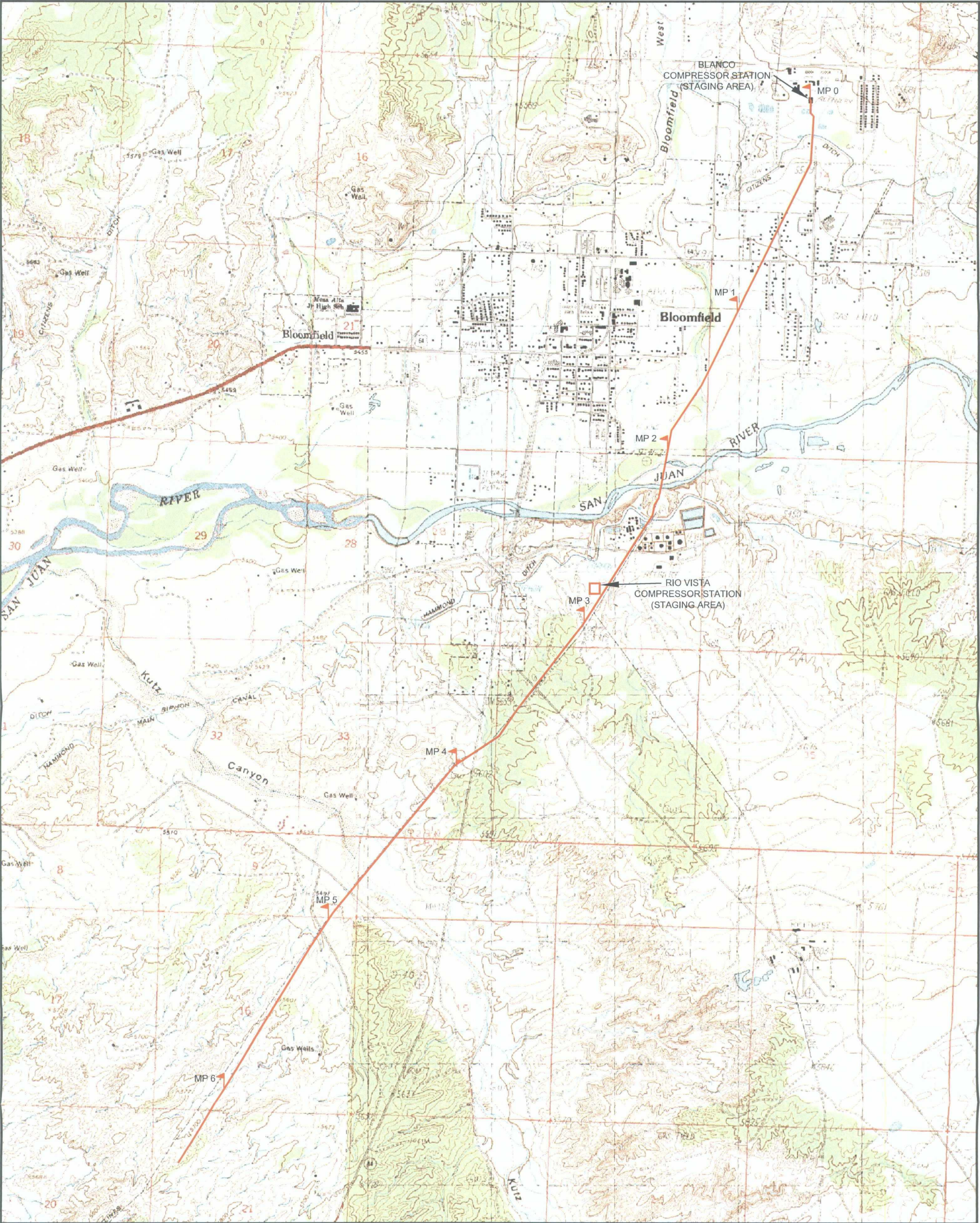
REGIONAL SITE LOCATION MAP

1202 PIPELINE DISCHARGE PERMIT
SAN JUAN COUNTY
BLOOMFIELD, NEW MEXICO

ORIGINATOR: M. WIKSTROM	DRAWING CATEGORY: 1
APPROVED BY:	

FIGURE

1



REFERENCES:

- 1) TOPO MAP CREATED FROM MAPCARD.COM.
- 2) EPNG DWG 1202.00-001.10
- 3) EPNG DWG 1202.00-001.20
- 4) EPNG DWG 1202.00-002.00

LEGEND

- EPNG 1202 PIPELINE
- MILE POST MARKERS

2500 0 1250 2500 ft

SCALE: 1 inch = 2500 feet

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Bright People. Right Solutions.

PROJECT NO.	83107	EPNG 1202 PIPELINE UNDERGOING HYDROSTATIC TEST	FIGURE 2
DRAWN:	JUNE 2009		
DRAWN BY:	PD	1202 PIPELINE DISCHARGE PERMIT SAN JUAN COUNTY BLOOMFIELD, NEW MEXICO	
CHECKED BY:	MW		
FILE NAME:	83107_02_0.dwg	ORIGINATOR: M. WIKSTROM	DRAWING CATEGORY:
		APPROVED BY:	1



ATTACHED IMAGES: Images: mapcard_aerial.JPG
ALBUQUERQUE, NM
CAD FILE: G:\Environment\CURRENT WORK FOLDER PROJECTS\93560 - EPNG Blanco and Deming DP4.0 Technical Information\93560 Deming and Blanco Discharge LAYOUT: Layout1

SOURCE: Aerial image created from mapcard.com.

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PROJECT NO.	93560
DRAWN:	SEPT 2009
DRAWN BY:	PD
CHECKED BY:	DJ
FILE NAME:	93560_02_01.dwg

TEMPORARY FRAC-TANK STORAGE LOCATIONS	
1202 PIPELINE DISCHARGE PERMIT	
SAN JUAN COUNTY	
BLOOMFIELD, NEW MEXICO	
ORIGINATOR:	M. WIKSTROM
APPROVED BY:	1

FIGURE

3



APPENDIX A
MSD Sheet for N-Spec 120 Cleaner

Material Safety Data Sheet

Section 1. Chemical Product and Company Identification			
Common Name	N-SPEC 120 Cleaner		Code
Supplier	Coastal Chemical Co., L.L.C. 3520 Veterans Memorial Drive Abbeville, LA 70510 337-893-3852		MSDS# Not available.
Synonym	Not available.		Validation Date 9/2/2004
Trade name	Not available.		Print Date 9/2/2004
Material Uses:	Not available.		Responsible Name Charles Toups
Manufacturer	Coastal Chemical Co., L.L.C. 3520 Veterans Memorial Drive Abbeville, LA 70510 337-893-3852		In Case of Emergency: Transportation Emergency Call CHEMTREC 800-424-9300 Other Information Call Charles Toups 337-251-0796

Section 2. Composition and Information on Ingredients			
Name	CAS #	% by Weight	Exposure Limits
Confidential information			

Section 3. Hazards Identification	
Physical State and Appearance	Liquid.
Emergency Overview	CAUTION! MAY CAUSE EYE IRRITATION. MAY CAUSE SKIN IRRITATION. MAY BE HARMFUL IF SWALLOWED. Keep away from heat, sparks and flame. Avoid contact with eyes. Do not ingest. Avoid prolonged or repeated contact with skin. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.
Routes of Entry:	Eye contact. Inhalation. Ingestion.
Potential Acute Health Effects	Eyes Hazardous in case of eye contact (irritant). Inflammation of the eye is characterized by redness, watering, and itching. Skin Irritation of the product in case of skin contact: Not available. Hazardous in case of skin contact Inhalation Hazardous in case of inhalation. Ingestion Hazardous in case of ingestion.
Potential Chronic Health Effects:	CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available.
Medical Conditions Aggravated by Overexposure:	Repeated or prolonged exposure is not known to aggravate medical condition.
Overexposure / Signs/Symptoms	Not available.
See Toxicological Information (section 11)	

Section 4. First Aid Measures

Eye Contact	Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Get medical attention immediately.
Skin Contact	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.
Notes to Physician	Not available.

Section 5. Fire Fighting Measures

Flammability of the Product	Not available.
Auto-ignition Temperature	Not available.
Flash Points	Tested - No Flash present
Flammable Limits	Not available.
Products of Combustion	These products are carbon oxides (CO, CO ₂), sulfur oxides (SO ₂ , SO ₃ ...).
Fire Hazards in Presence of Various Substances	Not available.
Explosion Hazards in Presence of Various Substances	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.
Fire Fighting Media and Instructions	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use alcohol foam, water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.
Protective Clothing (Fire)	Be sure to use an approved/certified respirator or equivalent.
Special Remarks on Fire Hazards	No additional remark.
Special Remarks on Explosion Hazards	Not available.

Section 6. Accidental Release Measures

Small Spill and Leak	The concentrated form of this material is a cleaner. During application, hazardous material on the apparatus or structure being cleaned may become part of the cleaning solution. Check with all applicable regulations before disposing of the material created during application.
Large Spill and Leak	The concentrated form of this material is a cleaner. During application, hazardous material on the apparatus or structure being cleaned may become part of the cleaning solution. Check with all applicable regulations before disposing of the material created during application.

Section 7. Handling and Storage

Handling	Keep away from heat, sparks and flame. Keep container closed. Use only with adequate ventilation. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Use explosion-proof electrical (ventilating, lighting and material handling) equipment.
Storage	Keep container tightly closed and in a well-ventilated place.

Section 8. Exposure Controls/Personal Protection

Engineering Controls	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work station location.
Personal Protection	Eyes Safety glasses. Body Lab coat. Respiratory Wear appropriate respirator when ventilation is inadequate. Hands Impervious gloves. Feet Not applicable.
Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
Product Name	Exposure Limits
Confidential Information	
Consult local authorities for acceptable exposure limits.	

Section 9. Physical and Chemical Properties

Physical State and Appearance	Liquid.	Odor	Not available.
Molecular Weight	Not applicable.	Taste	Not available.
Molecular Formula	Not applicable.	Color	Blue. (Dark.)
pH (1% Soln/Water)	6 to 8 [Neutral]		
Boiling/Condensation Point	The lowest known value is 100°C (212°F) (Water). Weighted average: 140.43°C (284.8°F)		
Melting/Freezing Point	May start to solidify at 0°C (32°F) based on data for Water. Weighted average: -46.19°C (-51.1°F)		
Critical Temperature	Not available.		
Specific Gravity	0.9 to 0.98 (Water = 1)		
Vapor Pressure	The highest known value is 2.3 kPa (17.2 mm Hg) (at 20°C) (Water). Weighted average: 1.17 kPa (8.78 mm Hg) (at 20°C)		
Vapor Density	The highest known value is 5.11 (Air = 1). Weighted average: 2.93 (Air = 1)		
Volatility	Not available.		
Odor Threshold	The highest known value is 34.6 ppm		
Evaporation Rate	0.02 compared to Butyl acetate		
VOC	Not available.		

Viscosity	Not available.
LogK _{ow}	The product is much more soluble in water.
Ionicity (in Water)	Anionic.
Dispersion Properties	See solubility in water, methanol, diethyl ether.
Solubility	Easily soluble in cold water, hot water, methanol, diethyl ether. Insoluble in n-octanol.
Physical Chemical Comments	Not available.

Section 10. Stability and Reactivity

Stability and Reactivity	The product is stable.
Conditions of Instability	Not available.
Incompatibility with Various Substances	Reactive with oxidizing agents, acids. Slightly reactive to reactive with reducing agents.
Hazardous Decomposition Products	Not available.
Hazardous Polymerization	Will not occur.

Section 11. Toxicological Information

Toxicity to Animals	Acute oral toxicity (LD50): 1900 mg/kg (Rat). Acute dermal toxicity (LD50): 9540 mg/kg (Rabbit).
Chronic Effects on Humans	No additional remark.
Other Toxic Effects on Humans	Hazardous in case of eye contact (irritant), of ingestion, of inhalation. Hazardous in case of skin contact (irritant). Slightly hazardous in case of skin contact (sensitizer).
Special Remarks on Toxicity to Animals	Not available.
Special Remarks on Chronic Effects on Humans	Not available.
Special Remarks on Other Toxic Effects on Humans	Material is irritating to mucous membranes and upper respiratory tract.

Section 12. Ecological Information

Ecotoxicity	Not available.
BOD5 and COD	Not available.
Biodegradable/OECD	Not available.
Mobility	Not available. These products are carbon oxides (CO, CO ₂) and water, nitrogen oxides (NO, NO ₂ ...), sulfur oxides (SO ₂ , SO ₃ ...), phosphates. Some metallic oxides.
Toxicity of the Products of Biodegradation	The products of degradation are less toxic than the product itself.

Special Remarks on the
Products of
Biodegradation

Not available.

Section 13. Disposal Considerations

Waste Information: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Waste Stream: Not available.

Consult your local or regional authorities.

Section 14. Transport Information

Shipping Description: Not a DOT controlled material (United States).

Not regulated.

Reportable Quantity: 11061.8 lbs. (5016.7 kg).

Marine Pollutant: Not regulated - Alkylaryl sulfonate/amine salt - less than 10 %.

Special Provisions for
Transport: Contains alkylbenzenesulfonate.

Section 15. Regulatory Information

HCSS Classification: CLASS: Target organ effects.

U.S. Federal Regulations: TSCA 8(a) PAIR: contains Alkylbenzenesulfonate
SARA 302/304/311/312 extremely hazardous substances: No products were found.
SARA 302/304 emergency planning and notification: No products were found.
SARA 302/304/311/312 hazardous chemicals: No products were found.
SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found.
SARA 313 toxic chemical notification and release reporting: No products were found.
Clean Water Act (CWA) 307: No products were found.
Clean Water Act (CWA) 311: No products were found.
Clean air act (CAA) 112 accidental release prevention: No products were found.
Clean air act (CAA) 112 regulated flammable substances: No products were found.
Clean air act (CAA) 112 regulated toxic substances: No products were found.

International Regulations

EINECS: Not available.

DSCL (DEC)

Risk to eyes.

May cause irritation by skin contact.

R322: May be harmful if swallowed. R36/38: Irritating to eyes and skin.

International EHS: No products were found.

State Regulations

Pennsylvania RTK: Dipropylene glycol monomethyl ether; Trade Secret; Glycol Ether PNB.
Florida: Dipropylene glycol monomethyl ether; Ethanol
Minnesota: Dipropylene glycol monomethyl ether
Massachusetts RTK: Dipropylene glycol monomethyl ether; Ethanol
New Jersey: Ethanol; Glycol Ether PNB.

WARNING: This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: Ethanol.

Section 16. Other Information

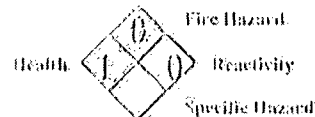
Label Requirements

MAY CAUSE EYE IRRITATION.
MAY CAUSE SKIN IRRITATION.
MAY BE HARMFUL IF SWALLOWED.

Hazardous Material
Information System
(U.S.A.)

Stability	1
Flammability	0
Reactivity	0
Personal Protection	B

National Fire
Protection
Association
(U.S.A.)



References

Not available.

Other Special
Considerations

Not available.

Validated by Charles Troups on 9/2/2004.

Verified by Charles Troups.

Printed 9/2/2004.

Notice to Reader:

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

APPENDIX B
Certification of Siting Criteria

**Certification of Siting Criteria, Hydrostatic Discharge on Line 1202
Easement, and Water Tank Staging Areas**

I, Mike McCown, have performed a site visit and visual inspection to look for the presence of watercourses, lakebeds, playa lakes, residences, schools, hospitals, churches, evidence of underground mines, water wells, and institutions within the specified distances (listed below) of the proposed discharge locations and water storage tank locations along line 1202 in the following sections in San Juan County, New Mexico:

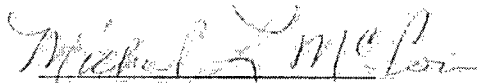
1202 pipeline easement discharge locations within:

Section 27, Township 29 North, Range 11 West
Section 33, Township 29 North, Range 11 West
Section 34, Township 29 North, Range 11 West
Section 9, Township 28 North, Range 11 West
Section 16, Township 28 North, Range 11 West
Section 21, Township 28 North, Range 11 West

Water storage tank locations:

N/2 of the N/2, Section 14, Township 29 North, Range 11 West (Blanco station)
SW/4 of the NE/4, Section 27, Township 29 North, Range 11 West (Rio Vista station)

Before discharge, signs or flagging will be posted along the easement to inform water truck drivers to stop discharging within 200 feet of publically-maintained roads. No discharge will take place within the specified distances listed below.


Mike McCown
Senior Cross-Functional Technician

07/08/2009

Date

- i. Within 200 feet of a watercourse, lakebed, sinkhole, or playa lake;
- ii. Within an existing wellhead protection area or 100-year floodplain;
- iii. Within, or within 500 feet of, a wetland;
- iv. Within the area overlying a subsurface mine; or
- v. Within 500 feet from the nearest permanent residence, school, hospital, institution or church.

APPENDIX C
Public Notice Text in Spanish and English

AVISO PÚBLICO

El Ministerio de Transporte de Estados Unidos (USDOT) requiere pruebas a presión periódicas en todas las tuberías USDOT-reguladas. La compañía de El Paso Natural Gas (EPNG) da por este medio el aviso que el uso siguiente del permiso de la descarga se ha sometido a la división de la conservación de aceite del nanómetro (NMOCD) de acuerdo con la subdivisión B, C, E, y F del código administrativo de 20.6.2.31 08 Nuevo México. La dirección local del correo de EPNG es: El Paso Natural Gas, San Juan Area Office, P.O. Box 127, Bloomfield, NM 87413.

El Paso Natural Gas ha presentado una solicitud para la descarga hidrostática del agua de la prueba que ocurrirá en la servidumbre de la tubería de EPNG en las secciones 27, 33, y 34 del municipio 29 del norte, se extiende 11 del oeste, y las secciones 9, 16, y 21 del municipio 28 del norte, se extiende 11 del oeste, en el condado de San Juan, Nuevo México. La localización de la descarga está entre aproximadamente 1/2 y cuatro millas de sur de Bloomfield, nanómetro. Para alcanzar el 1/2 del recorrido de la localización de la descarga - milla al este de la carretera 550 de los E.E.U.U. y del camino del condado # intersección 4990 y sur aproximadamente 1/3-miles de la refinería de Bloomfield. La descarga ocurrirá a lo largo de la servidumbre de la tubería para una distancia aproximada de cuatro millas que comienzan aproximadamente el sur 1/3-mile de la refinería de Bloomfield, continuando hacia el sudoeste a través de la barranca de Kutz, y terminando aproximadamente 1-1/2 las millas sudoeste de donde la tubería cruza la barranca de Kutz en la sección 21, el municipio 28 del norte, se extienden 11 del oeste.

El propósito de hidrostático (prueba con agua) es para determinar el grado a los defectos potenciales pudieron amenazar a la capacidad de la tubería de sostener la presión máxima permitida de la operación. La prueba implica el purgar del gas natural de la tubería, limpiando la tubería con un quitamanchas acuoso, no-peligroso, rellenar la tubería con agua, después presurizando la tubería a una presión más alta que la presión de funcionamiento estándar para una duración especificada del tiempo.

Una porción de la tubería de EPNG 1202 hidrostático será probada. Antes de la prueba hidrostática, la tubería será limpiada usando aproximadamente 1.000 galones de un quitamanchas acuoso y no-peligroso, N-Spec. 120. El volumen de solución de la limpieza se estima para ser 1.000 galones y será almacenado en dos estaciones del compresor de EPNG; Estación del compresor de Blanco. La estación del compresor de Blanco está situada en el N/2 del N/2, sección 14, el municipio 29 del norte, se extiende 11 del oeste y la estación del compresor de Río Vista está situada en el SW/4 del NE/4, sección 27, el municipio 29 del norte, se extiende 11 del oeste. Una muestra compuesta de la solución de la limpieza será analizada para la corrosividad, el enciende, la reactividad, y la toxicidad además de los estándares de la Comisión del control de calidad del agua del nanómetro (WQCC) descritos más abajo. La solución de la limpieza puede almacenar en el frac-tanque por dos semanas con una opción por dos semanas adicionales de almacenaje. Esta agua será transportada para la disposición apropiada al Mesa ambiental en Belen, Nuevo México o Thermo Fluids, Inc. en Albuquerque, Nuevo México.

Hasta 700.000 galones de agua inusitada fresca, de la ciudad de las utilidades de Bloomfield, serán almacenados inicialmente en los tanques de 21.000 galones (los frac-tanques) situados en las estaciones del compresor de Río Vista está situada en el SW/4 del NE/4, sección 27, el municipio 29 del norte, se extiende 11 del oeste. Después de la prueba hidrostática, las mangueras y/o las pipas flexibles serán utilizadas para transferir la agua usada de la prueba en los tanques del frac situados en las estaciones del compresor de Río Vista. Tanto como los 40 tanques del frac pueden ser necesarios para contener temporalmente hasta 700.000 galones de agua usada de la prueba. Esta agua será analizada para asegurarse que cumple los estándares de WQCC según 20.6.2.31 03 secciones A, B, y C. De la prueba se puede almacenar en los tanques del frac por dos con una opción por dos semanas adicionales de almacenaje, hasta que finalicen resultados analíticos, antes de ser descargada a lo largo de la servidumbre de la tubería de EPNG usando los carros del tanque equipados de las barras de esparcir.

La agua subterránea más baja probablemente que se afectará por un escape, una descarga accidental, o un derramamiento existe en una profundidad de 6 pies debajo de la superficie de tierra. Esta sistema del acuífero tiene una concentración total de los sólidos en suspensión entre de aproximadamente 960 y 3.840 miligramos por litro o mayor (calculado de conductancia específica divulgada entre de 1.500 y 6.000 $\mu\text{S}/\text{cm}$).

El aviso del intento y la descarga planean esquemas cómo el agua y la basura producidas serán manejadas correctamente, incluyendo la dirección, almacenaje, y la disposición final. El plan también incluye los procedimientos para la gerencia apropiada de escapes, de descargas accidentales, y de derramamientos para proteger las aguas del estado de Nuevo México.

Para la información adicional, para ser colocado en una lista de personas a quienes se mandan propaganda facilidad-específica para los avisos futuros, o someter los comentarios satisfacen entran en contacto con:

Brad Jones, ingeniero ambiental
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505
Teléfono: (505) 476-3487

La energía del nanómetro y el Departamento de los Recursos Naturales y Minerales aceptarán comentarios y declaraciones del interés con respecto a esta prueba hidrostática y proporcionarán los avisos futuros para esta tubería a petición.

PUBLIC NOTICE

The United States Department of Transportation (USDOT) requires periodic pressurized tests on all USDOT-regulated pipelines. El Paso Natural Gas Company (EPNG) hereby gives notice that the following discharge permit application has been submitted to the NM Oil Conservation Division (NMOCD) in accordance with Subsection A, B, D and F of 20.6.2.3108 of New Mexico Administrative Code (NMAC). The local EPNG mailing address is: El Paso Natural Gas, San Juan Area Office, P.O. Box 127, Bloomfield, NM 87413.

EPNG has submitted an application for hydrostatic test water discharge which will occur on the EPNG pipeline easement in Sections 27, 33, and 34 of Township 29 North, Range 11 West, and Sections 9, 16, and 21 of Township 28 North, Range 11 West, in San Juan County, New Mexico. The location of the discharge is between approximately 1/2 and four miles south of Bloomfield, NM. To reach the discharge location travel 1/2-mile east of the U.S. Highway 550 and County Road # 4990 intersection and approximately 1/3-miles south of the Bloomfield refinery. The discharge will take place along the pipeline easement for an approximate distance of four miles starting approximately 1/3-mile south of the Bloomfield refinery, continuing southwest across Kutz Canyon, and ending approximately 1-1/2 miles southwest of where the pipeline crosses Kutz Canyon in Section 21, Township 28 North, Range 11 West.

The purpose of hydrostatic (testing with water) is to determine the extent to which potential defects might threaten the pipeline's ability to sustain maximum allowable operation pressure. The test involves purging the natural gas from the pipeline, cleaning the pipeline with an aqueous, non-hazardous cleaning fluid, filling the pipeline with water, then pressurizing the pipeline to a pressure higher than the standard operating pressure for a specified duration of time.

A portion of the EPNG 1202 pipeline will be hydrostatically tested. Prior to hydrostatic testing, the pipeline will be cleansed using approximately 1,000 gallons of an aqueous and non-hazardous cleaning fluid, N-Spec 120. The volume of cleaning solution is estimated to be 1,000 gallons and it will be stored at EPNG's Blanco compressor station located in the N/2 of the N/2, Section 14, Township 29 North, Range 11 West. A composite sample of the cleaning solution will be analyzed for corrosivity, ignitability, reactivity, and toxicity for disposal characterization. The water/cleaning solution mixture may be stored in the frac-tanks for two weeks with the option to store it for an additional two weeks. This water will be transported for proper disposal to Mesa Environmental in Belen, NM or Thermo Fluids, Inc. in Albuquerque, NM.

Up to 700,000 gallons of fresh unused water, from City of Bloomfield utilities, will be initially stored in as many as 40 21,000-gallon tanks (frac-tanks) located at EPNG's Rio Vista compressor station in the SW/4 of the NE/4, Section 27, Township 29 North, Range 11 West. Following hydrostatic testing, hoses and/or flexible pipes will be used to transfer the used test water into the frac-tanks. A composite sample of this water will be analyzed to ensure it meets the WQCC standards as per Subsections A, B, and C of NMAC 20.6.2.3103. Used test water may be stored in the frac-tanks for two weeks with the option to store it for an additional two weeks, pending analytical results, before receiving NMOCD discharge approval and being discharged along the EPNG pipeline easement using tank trucks equipped with spreader bars.

The shallowest groundwater likely to be affected by a leak, accidental discharge, or spill exists at a depth of 6 feet below the ground surface. This aquifer system has a total dissolved solids concentration of between approximately 960 and 3,840 milligrams per liter or greater (calculated from reported specific conductance of between 1,500 and 6,000 $\mu\text{S}/\text{cm}$).

The notice of intent and discharge plan outlines how produced water and waste will be properly managed, including handling, storage, and final disposition. The plan also includes procedures for the proper management of leaks, accidental discharges, and spills to protect the waters of the State of New Mexico.

For additional information, to be placed on a facility-specific mailing list for future notices, or to submit comments please contact:

Brad Jones, Environmental Engineer
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505
Phone: (505) 476-3487

The NM Energy, Minerals and Natural Resources Department will accept comments and statements of interest regarding this hydrostatic test and will provide future notices for this pipeline upon request.

APPENDIX D
Copy of Emails from the New Mexico Abandoned Mine Lands Program

Marco Wikstrom - RE: Abandoned Mines Near Bloomfield?

From: "Smith, James R, EMNRD" <JamesR.Smith@state.nm.us>
To: "Marco Wikstrom" <MWikstrom@kleinfelder.com>
Date: 6/26/2009 9:31 AM
Subject: RE: Abandoned Mines Near Bloomfield?

Marco,

From our records for known abandoned mines, I have not found any in the TRS listed below. There is no guarantee that this can be proven beyond doubt. If you have any questions or if you do find info on mining in the area please let me know.

Thanks,

James R. Smith
Abandoned Mine Land Program
New Mexico Mining and Minerals Division
1220 South St. Francis Drive
Santa Fe, NM 87505
Ph: 505-476-3422
Fax: 505-476-3402
JamesR.Smith@state.nm.us

From: Marco Wikstrom [mailto:MWikstrom@kleinfelder.com]
Sent: Thursday, June 25, 2009 4:33 PM
To: Smith, James R, EMNRD
Subject: Abandoned Mines Near Bloomfield?

James,

I'm not sure who to call on this one... I'm working on a discharge permit for a natural gas pipeline hydrostatic test near Bloomfield and need to verify through you guys that there are no abandoned underground mines in the vicinity of the discharge.

The discharge will happen in the following areas (about 700,000 gallons):

Township 29N Range 11W

Sections

14
23
22
27
34
33

Township 28N Range 11W

Sections -

9

16

21,

Thanks, and have a great day.
Marco

Marco Wikstrom

Staff Geologist

KLEINFELDER

mwikstrom@kleinfelder.com

(505) 344-7373 Office

(505) 344-1711 Fax

8300 Jefferson NE Suite B

Albuquerque, NM 87113



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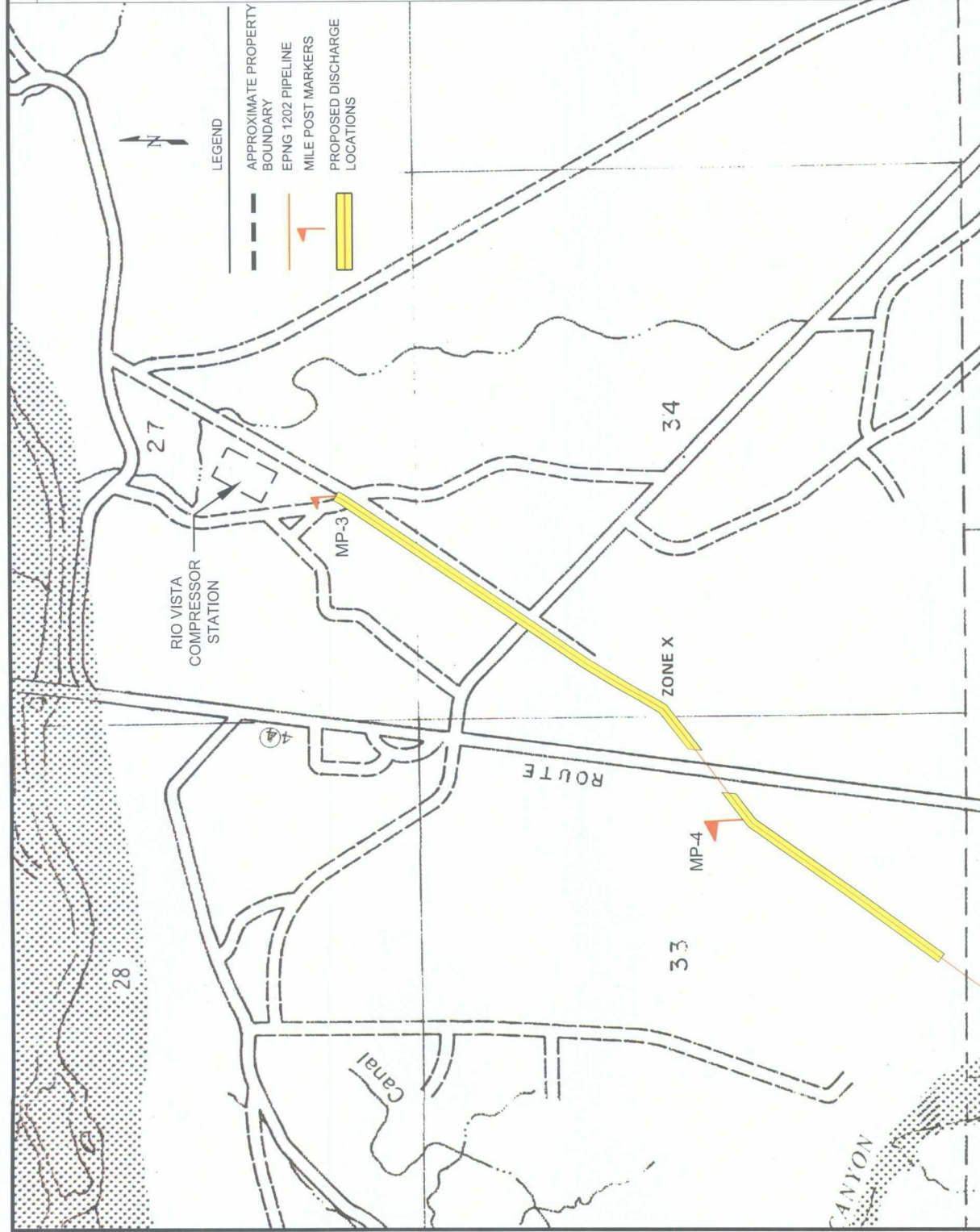
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APPENDIX E.
Federal Emergency Management Administration Flood Insurance Rate Maps



SOURCE:

NATIONAL FLOOD INSURANCE PROGRAM

FIRM FLOOD INSURANCE RATE MAP

SAN JUAN COUNTY,
NEW MEXICO
UNINCORPORATED AREAS

PANEL 540 OF 1450
(SEE MAP INDEX FOR PANELS NOT PRINTED)



COMMUNITY-PANEL NUMBER
350064 0540

EFFECTIVE DATE:
AUGUST 4, 1988



Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the map. For the most current information, please contact the National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov



FLOOD INSURANCE RATE MAP

FIGURE

1

1202 PIPELINE DISCHARGE PERMIT
SAN JUAN COUNTY
BLOOMFIELD, NEW MEXICO

ORIGINATOR: D. JANNEY
DRAWING CATEGORY: 1

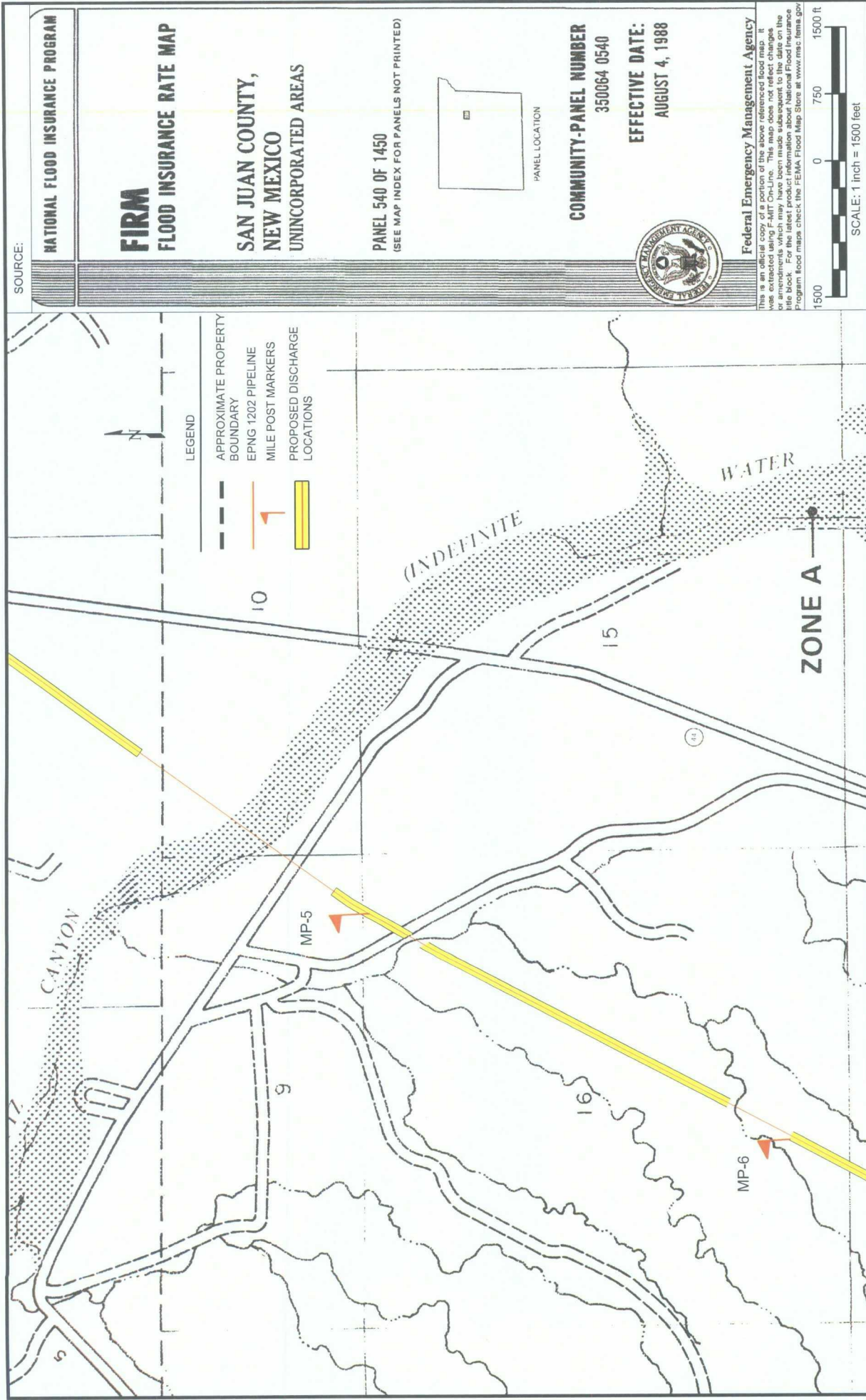
APPROVED BY:

PROJECT NO. 83107
DRAWN: SEPT 2009
DRAWN BY: PD
CHECKED BY: DJ
FILE NAME:

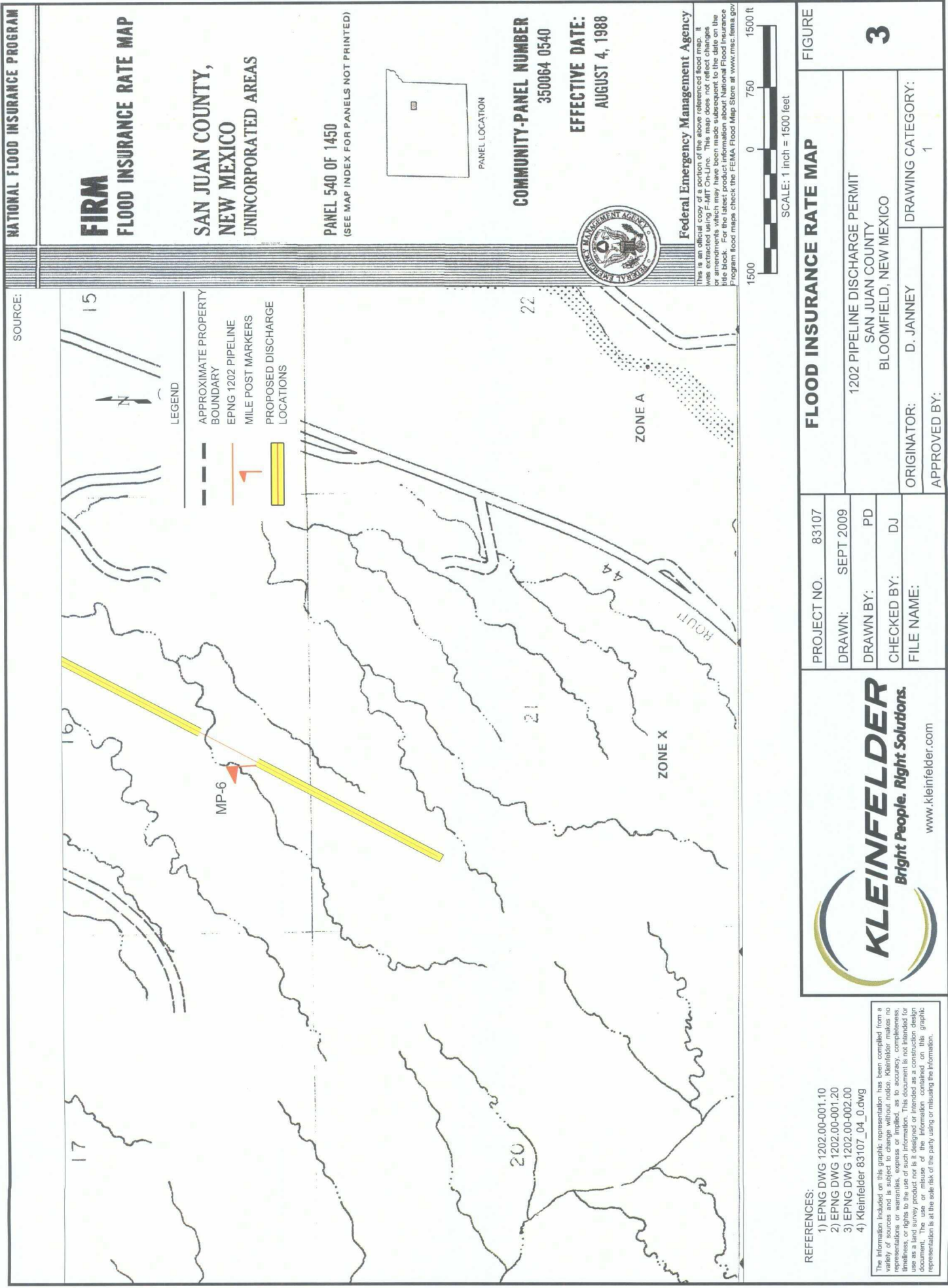


- REFERENCES:
- 1) EPNG DWG 1202.00-001.10
 - 2) EPNG DWG 1202.00-001.20
 - 3) EPNG DWG 1202.00-002.00
 - 4) Kleinfelder 83107_04_0.dwg

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REFERENCES: 1) EPNG DWG 1202.00-001.10 2) EPNG DWG 1202.00-001.20 3) EPNG DWG 1202.00-002.00 4) Kleinfelder 83107_04_0.dwg The information included on this graphic representation has been compiled from a variety of sources and is subject to change without notice. Kleinfelder makes no representations or warranties, express or implied, as to accuracy, completeness, or reliability of the information contained on this graphic representation. The use or misuse of the information contained on this graphic representation is at the sole risk of the party using or misusing the information.		KLEINFELDER Bright People. Right Solutions. www.kleinfelder.com		PROJECT NO. 83107 DRAWN: SEPT 2009 DRAWN BY: PD CHECKED BY: DJ FILE NAME:		FLOOD INSURANCE RATE MAP 1202 PIPELINE DISCHARGE PERMIT SAN JUAN COUNTY BLOOMFIELD, NEW MEXICO ORIGINATOR: D. JANNEY APPROVED BY:		FIGURE 2	
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REFERENCES:

- 1) EPNG DWG 1202.00-001.10
- 2) EPNG DWG 1202.00-001.20
- 3) EPNG DWG 1202.00-002.00
- 4) Kleinfelder 83107_04_0.dwg

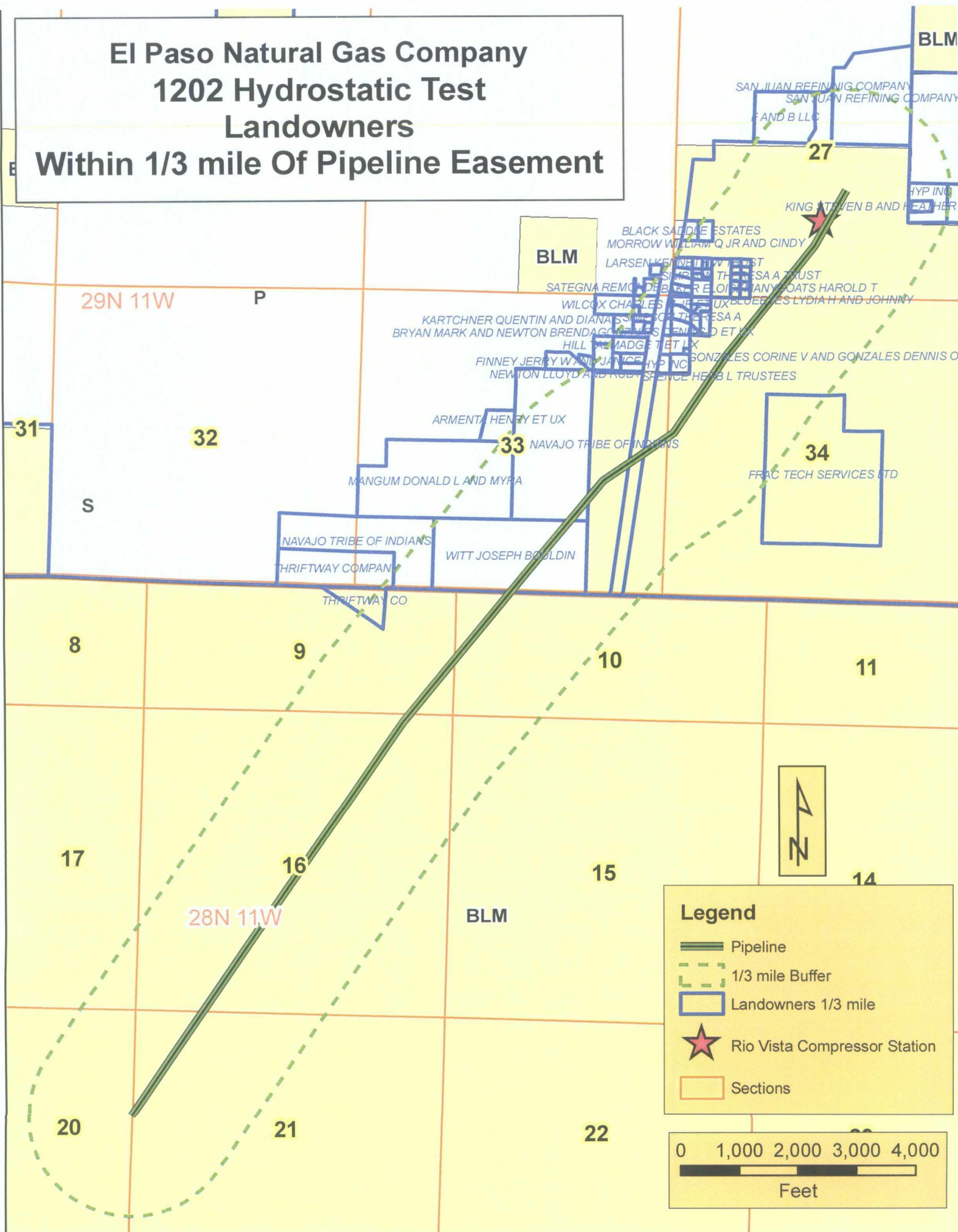
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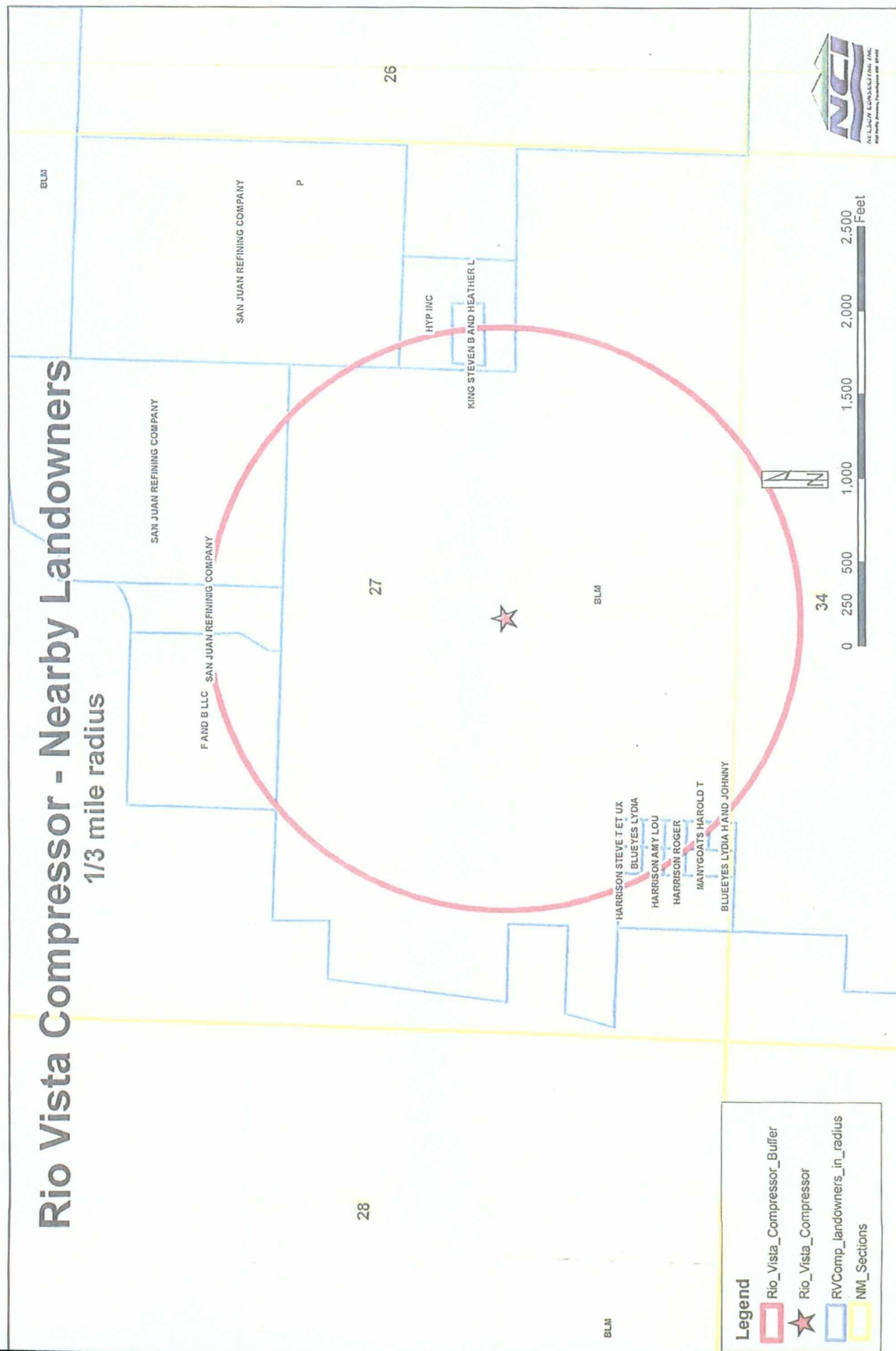
APPENDIX F
Compressor Station and Discharge Easement Landowner Maps

El Paso Natural Gas Company 1202 Hydrostatic Test Landowners Within 1/3 mile Of Pipeline Easement



Rio Vista Compressor - Nearby Landowners

1/3 mile radius



Legend

- Rio_Vista_Compressor_Buffer
- Rio_Vista_Compressor
- RVComp_landowners_in_radius
- NM_Sections



Blanco Compressor - Nearby Landowners

1/3 mile radius

10

BLM

11

BLM

12

15

CHURCH BIBLE BAPTIST

EL PASO NATURAL GAS CO



VAL VERDE GAS GATHERING CO L.P.

EL PASO NATURAL GAS CO

14

FELIX GARY Z ET UX P

GOEBEL GEORGE G ET UX

TRUBY RORY R

TRUBY INEZ TRUST

TRUBY INEZ TRUSTEE

TRUBY ROBERT H JR AND RACHEL

JONES MIKE R ETAL

TROXELL DAVID L

HUNNICUTT NORMA JEAN

MARTINEZ SALOMON M ET UX

BAIRD LAVALL TRUSTEES

MARTINEZ SALOMON M ET UX

13

JONES MIKE R ETAL



Legend

- Candelaria_point
- Rio_Vista_Compressor
- Blanco_Compressor
- One-third mile radius
- landowners_in_radius
- NIM_Sections